Forestry Wildlife

CONTENTS OF VOLUME 33

Number 1

PAGE

Reproduction and Early Post-natal Development of the Cotton Mouse, *Peromyscus gossypinus gossypinus*.....*George H. Pournelle* 1
The Armadillo in the Southeastern United States
Henry S. Fitch, Phil Goodrum, and Coleman Newman 21
Studies on the Helminth Fauna of Alaska. V. Notes on Adak Rats (*Rattus norvegicus* Berkenhout) with Special Reference to Helminth Parasites....*Everett L. Schiller* 38
Food of Deer Mice, *Peromyscus maniculatus* and *P. boylei*, in the Northern Sierra Nevada, California.....*E. W. Jameson, Jr.* 50
A Live Trap for Pocket Gophers.....*Walter E. Howard* 61
Food Habits, Growth, and Behavior of two Captive Pine Martens..*Jack D. Remington* 66
The Occurrence and Significance of Extra Molar Teeth in Rodents....*David H. Johnson* 70
A Possible Antler Rudiment on the Nasal Bones of a Whitetail Deer (*Odocoileus virginianus borealis*).....*George B. Wislocki* 73
Facial Glands of the Tree Bats, *Lasiurus* and *Dasypterus*
Henry James Werner and Walter W. Dalquest 77
Audiogenic Seizures in the Laboratory Mouse....*Hubert Frings and Mable Frings* 80
The Water Rat in the Pleistocene of Texas.....*Grayson E. Meade* 87
Notes on the Pygmy Mouse (*Baiomys*), with Description of a New Subspecies from Mexico.....*Emmet T. Hooper* 90
A New Beaver, and Associated Vertebrates, from the Pleistocene of Oklahoma
George C. Rinker and Claude W. Hibbard 98
General Notes..... 102
The Facial Glands of a Fruit-eating Bat, *Artibeus jamaicensis* Leach
W. W. Dalquest, H. J. Werner, and J. H. Roberts 102
A Mid-ventral Dermal Gland in *Peromyscus maniculatus*
Neil D. Richmond and Harry R. Roslund 103
Cecal Villi in a Pika (*Ochotona princeps*)
Marietta Voge and Howard A. Bern 104
Notes on the Lipids in some Wild Mammals.....*Charles G. Wilber* 105
Notiosorex in Arkansas.....*John A. Sealander, Jr.* 105
Sorex palustris and *Sorex dispar* from the Great Smoky Mountains National Park.....*Clinton H. Conaway and Donald W. Pfitzer* 106
A Feral Coatimundi in Northwestern Oklahoma
Bryan P. Glass and William R. Hanson 108
The Northern Elephant Seal on San Miguel Island, California
Egmont Z. Rett 109
Records of the Flying Squirrel (*Glaucomys volans*) in Mexico
Emmet T. Hooper 109
Red-tailed Hawk a Mole Predator.....*A. I. Roest* 110
Observations on the Hoary Bat in Indiana and Illinois
Ernest E. Provost and Charles M. Kirkpatrick 110
Hoary Bat in a Squirrel's Nest.....*Wilfred T. Neill* 113
Notes on the Abundance of the Everglades Mink
E. Ross Allen and Wilfred T. Neill 113
Carnivorous Behavior in the Muskrat.....*Orwin A. Rustad* 114
Some Observations on the Red Howling Monkey (*Alouatta seniculus*) in Venezuela.....*J. Racenis* 114
The Status of *Nycticebus coucang brachycephalus* Sody..*David H. Johnson* 115

Note on Missing Teeth in *Martes americana*.....*William H. Marshall* 116
Weights of Queensland Mammals.....*G. H. H. Tate* 117
Reviews..... 119
Recent Literature..... 123
Comment and News..... 136
Annual Meeting..... 137

NUMBER 2

The Social Aspects of Population Dynamics.....*John B. Calhoun* 139
Winter Population of Pinnipeds about Guadalupe, San Benito, and Cedros islands, Baja, California.....*George A. Bartholomew, Jr., and Carl L. Hubbs* 160
Additional Notes on Fossil and Subfossil Bats from Jamaica.....*Ernest E. Williams* 171
Observations on Lemmings from Barter Island, Alaska
Robert L. Strecker and Peter R. Morrison 180
Shrew Predation and Vole Populations on a Localized Area.....*W. Robert Eadie* 185
A Craniometric Study of the Norway Rat.....*Joseph Gentile* 190
Autumn Foods of Chipmunks and Golden-mantled Ground Squirrels in the Northern Sierra Nevada.....*Lloyd Tevis, Jr.* 198
Food Consumption in *Perymyscus* in Relation to Air Temperature and Previous Thermal Experience.....*John A. Sealander, Jr.* 206
Gonadotrophin-induced Ovulation in Mink.....*John Hammond, Jr.* 218
Bats of the Mexican State of Morelos....*William B. Davis and Robert J. Russell, Jr.* 234
General Notes..... 239
Sexual Maturity and First Recorded Copulation of a 16-month Male Porcupine, *Erethizon dorsatum dorsatum*.....*Arthur R. Shadle* 239
Nest and Behavior of a Short-tailed Shrew, *Cryptotis parva*
Harold E. Broadbanks 241
Anting not Exclusively an Avian Trait.....*Aaron M. Bagg* 243
Dog Locates Winter Nests of Mammals
Robert L. Edwards and Walter H. Pitts 243
The Gray Fox Attracted by a Crow Call.....*Alexander Wetmore* 244
Diving Depths of the Steller Sea Lion and Alaska Fur Seal..*Karl W. Kenyon* 245
Litter Size in the Black Bear.....*J. R. Matson* 246
Triplet Alaskan Moose Calves.....*N. W. Hosley and Frank S. Glaser* 247
Evidence of a Late Birth for the Raccoon.....*Edward V. Berard* 247
Endoparasites of Muskrats in the Vicinity of Hamilton, Ontario
G. K. Sweatman 248
Long-tailed Shrew (*Sorex dispar*) in Maryland
Romeo Mansueti and Vagn F. Flyger 250
The Dwarf Shrew, *Sorex nanus*, in New Mexico
William J. Koster and Ronald R. Clothier 250
Arizona Specimens of the Black-footed Ferret
Stanley P. Young and Arthur F. Halloran 251
The Least Weasel (*Mustela rizosa*) in Pennsylvania
Neil D. Richmond and Robert D. McDowell 251
Long-tailed Weasel near Quebec City.....*Austin W. Cameron* 253
The Gray Fox in Alberta.....*J. E. Moore* 253
An Occurrence of the Rice Rat (*Oryzomys*) in West Virginia
John E. Guilday and William J. Mayer-Oakes 253
Cuvier's Beaked Whale from Hawaii.....*Lawrence P. Richards* 255
The Status of the Bat Genus *Reithronycteris*.....*Karl F. Koopman* 255
Notes on the Dentition of the Golden Monkey, *Rhinopithecus*..*D. A. Hooijer* 258
Apodemus flavicollis alpicola, n.n.....*Gerd H. Heinrich* 260
Correction.....*A. de Vos* 260

Reviews 261
Recent Literature 263

NUMBER 3

Reproduction of the Lump-nosed Bat (*Corynorhinus rafinesquei*) in California
Oliver P. Pearson, Mary R. Koford, and Anita K. Pearson 273
Observations on the Pilot Whale in Captivity ..... *Henry Kritzler* 321
Life History and Economic Status of the Mongoose in Hawaii
Paul H. Baldwin, Charles W. Schwartz, and Elizabeth Reeder Schwartz 335
Studies on the Biochemistry of the Arctic Ground Squirrel
Xavier J. Musacchia and Charles G. Wilber 356
Notes on the Mammals of Western Tennessee
Woodrow W. Goodpaster and Donald F. Hoffmeister 362
Notes on the Mice of the Species *Peromyscus boylei* and *P. pectoralis*
Emmet T. Hooper 371
General Notes 379
A New *Bassariscus* from the Upper Pliocene of Kansas .. *Claude W. Hibbard* 379
Three New Mammals from Southern Florida ..... *Albert Schwartz* 381
A Bottlenose Dolphin from the California Coast ..... *Karl W. Kenyon* 385
Notes on a Pregnant Sea Otter ..... *Oliver P. Pearson* 387
The Development of a Young Harvest Mouse, *Reithrondontomys*
B. F. Holding and O. L. Royal 388
Additional Notes on the Gestation Period of the Woodchuck .. *Sally F. Hoyt* 388
A Late Breeding Cycle in *Peromyscus* ..... *Richard H. Manville* 389
The Survival of Brazilian Mammals ..... *Luiz Carlos de Mesquita Maia* 389
The Myth of Montezuma's Bison and the Type Locality of the Species
Erik K. Reed 390
Method for keeping the Eastern Mole in Captivity .. *Willard Loren Henning* 392
A Program for Maintaining the Freetail Bat in Captivity
Denny G. Constantine 395
Pigmy Shrew, *Microsorex*, in Montana ..... *Henry W. Setzer* 398
Additional Records for Water Shrews, *Sorex palustris*, in New England
A. Starrett, P. Starrett, and P. M. Youngman 398
Peromyscus leucopus on Peak of Mt. Washington, Coos County, New Hampshire ..... *A. Starrett and P. Starrett* 398
Prairie Vole, *Microtus ochrogaster*, in Eastern Kentucky .. *Roger W. Barbour* 398
New Phenacomys Records from Colorado ..... *Olwen Williams* 399
Checklist of Palaearctic and Indian Mammals—New Name
J. R. Ellerman and T. C. S. Morrison-Scott 399
Reviews 400
Recent Literature 406
Thirty-second Annual Meeting 413
Comment and News 417

NUMBER 4

The Integument in Canidae ..... *Milton Hildegrand* 419
Travel, Range, and Food Habits of Timber Wolves in Wisconsin .. *Daniel Q. Thompson* 429
Size Characteristics of the Sacramento Valley Pocket Gopher (*Thomomys bottae navus* Merriam) ..... *Milton A. Miller* 442
The Os Genitale of the Red Squirrel, *Tamiasciurus* ..... *James N. Lane* 457
Observations Concerning the Life History and Ecology of the Woodrat, *Neotoma floridana floridana* (Ord) ..... *Paul G. Pearson* 459
The Opossum in Arizona ..... *Raymond J. Hock* 464

Some Observations on Coyote Predation in Yellowstone National Park
Weldon B. Robinson 470

Notes on Mammals from Alaska
Robert L. Strecker, Fred A. Ryser, William J. Tietz, and Peter R. Morrison 476

General Notes ... 480

Two New Records of the Spotted Bat in California ... *Harry C. Parker* 480
Beaver Trapped by Tree ... *Robert S. Ellarson and Joseph J. Hickey* 482
Fur Seal Blubber ... *Charles G. Wilber* 483
Rate of Extrusive Growth of Incisors of Pocket Gophers
Walter E. Howard and Melvin E. Smith 485
Latent Periods of Audiogenic Seizures in Mice
Hubert Frings and Mable Frings 487
Bats and Birds Competing for Food
Richard G. Van Gelder and Woodrow W. Goodpaster 491
Longevity in the Pipistrelle, *Pipistrellus subflavus subflavus*
E. Lendell Cockrum 491
The Big Free-tailed Bat in Oklahoma ... *E. Lendell Cockrum* 492
Notes on Behavior of Long-tailed Weasel in Utah ... *Richard M. Hansen* 492
Some Characteristics of Wolverine Fur ... *Horace F. Quick* 492
Ord Kangaroo Rat in North Dakota ... *Rollin H. Baker* 493
The Kangaroo Rat Preyed Upon by the Sparrow Hawk ... *Henry E. Childs, Jr.* 493
Observations on the Young of the Merriam Kangaroo Rat ... *David J. Doran* 494
Red-backed Vole with a Tick Attached Near Eyeball ... *Harvey L. Gunderson* 495
Notes on the Burrowing and Food Habits of the Olympic Marmot
Alex Beltz and Ernest S. Booth 495
An Alaskan Record of the Narwhal ... *Laurence M. Huey* 496
A Live Trap for Ground Squirrels ... *W. Prychodko* 497
How Efficient are Snap Traps in Taking Small Mammals?
R. York Edwards 497
A New Pocket Gopher from the North Rim of the Grand Canyon, Arizona
Floyd E. Durham 498
A New Race of Red-backed Vole (*Clethrionomys*) from the Barren Grounds of Canada ... *Harold C. Hanson* 500
Citellus spilosoma major Merriam, Preoccupied ... *William P. Harris, Jr.* 503
A New Name for *Mirandaia ribeiroi* Paula Couto, 1952
Carlos de Paula Couto 503

Reviews ... 503
Recent Literature ... 506
Comment and News ... 511
Index ... 513